

### **DETAILED ACTION**

1. This office action is a response to applicant's amendment filed 08/27/2009. In virtue of this amendment, claims 1-21 are currently in the instant application.

#### ***Interview Summary***

2. Examiner contacted applicant's representative, Robert Crawford (Registration No. 32,122), on November 25, 2009 for discussing about a proposed amendment. Examiner suggested applicant's representative to incorporate the limitation of claim 2 into claim 1, the subject matter of claim 8 into claims 7 and 12 in order to place the application in condition for allowance.

On December 03, 2009, applicant's representative agreed to authorize examiner to incorporate the subject matter of claim 2 (i.e., wherein the antenna comprises a dual band, dual feed antenna, characterised in that the self supporting member has two feed pillars disposed one on either side of the shorting pillar) into claim 1 and the subject matter of claim 8 (i.e., wherein the antenna comprises a dual band, dual feed antenna, characterised in that the self supporting member has two feed pillars disposed one on either side of the shorting pillar) into claims 7 and 12 in Examiner's amendment.

### **EXAMINER'S AMENDMENT**

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Crawford on December 03, 2009.

The application has been amended as follows:

Claim 1 (Currently Amended) A communications device comprising a RF circuit and an antenna connected by a self supporting member providing support for the antenna, the self supporting member having at least one feed pillar and a shorting pillar, the pillars being substantially permanently connected to respective contact points of the RF circuit and extending from the RF circuit to an antenna interface of the self supporting member, the antenna connected to the antenna interface by a pressure connection; wherein the antenna comprises a dual band, dual feed antenna, characterised in that the self supporting member has two feed pillars disposed one on either side of the shorting pillar.

Claim 2 (Canceled).

Claim 7 (Currently Amended) A RF module comprising a supporting member having RF circuit components thereon and a connector to connect an RF output to an antenna, the connector comprising an electrically conductive, self supporting member having at least one feed pillar and a shorting pillar providing support, the pillars being substantially permanently connected to respective contact points of the RF circuit components and extending from the contact points to an antenna interface of the self supporting member, the antenna interface adapted for coupling to the antenna by a pressure connection; wherein the antenna comprises a dual band, dual feed antenna, characterised in

that the self supporting member has two feed pillars disposed one on either side of the shorting pillar.

Claim 8 (Canceled).

Claim 12 (Currently Amended) An antenna comprising a signal propagating and/or receiving element having at least one RF feed termination and a shorting termination, and an electrically conductive, self supporting member having

an antenna interface,

at least one feed pillar, and

a shorting pillar extending from the antenna interface, the pillars adapted to be substantially permanently connected to respective contact points of an RF circuit, and the antenna interface providing a pressure connection with the at least one RF feed termination and the shorting termination;

wherein the antenna comprises a dual band, dual feed antenna, characterised in that the self supporting member has two feed pillars disposed one on either side of the shorting pillar.

***Allowable Subject Matter***

4. Claims 1, 3-7 and 9-21 are allowed.
5. The following is an examiner's statement of reasons for allowance:

Prior art fails to disclose a communication device comprising an antenna connecting to a self support member providing support for the antenna, wherein the supporting member has a shorting pillar and two feed pillars disposed one on either side

of the shorting pillar and an antenna interface, wherein the antenna connects to the antenna interface by a pressure connection, in combination with the remaining claimed limitation as in claims 1, 7 and 12 (claims 3-6, 9-11 and 13-21 are allowed since they are dependent on claims 1, 7 and 12).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Inquiry***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DIEU HIEN T. DUONG whose telephone number is 571-272-8980. The examiner can normally be reached on Monday - Friday, from 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W. Owens can be reached on 571-272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

12/03/09  
/D. T. D./  
Examiner, Art Unit 2821

/Douglas W Owens/  
Supervisory Patent Examiner, Art Unit 2821  
December 5, 2009